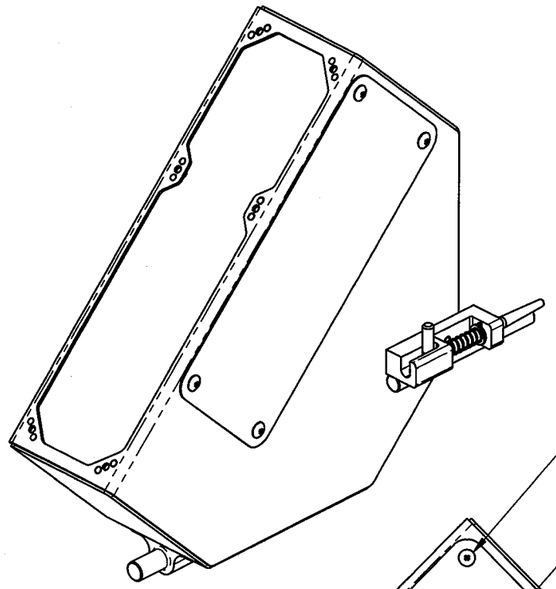
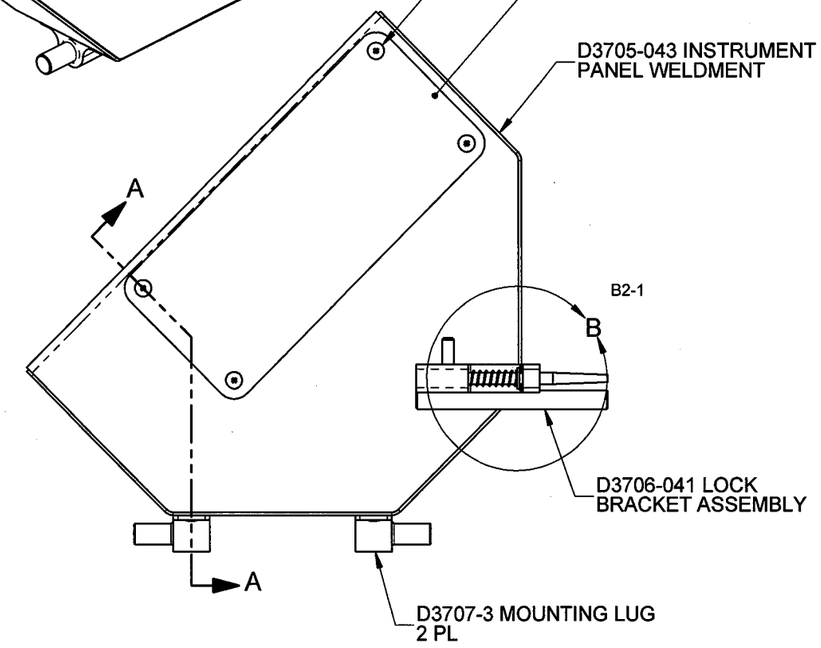
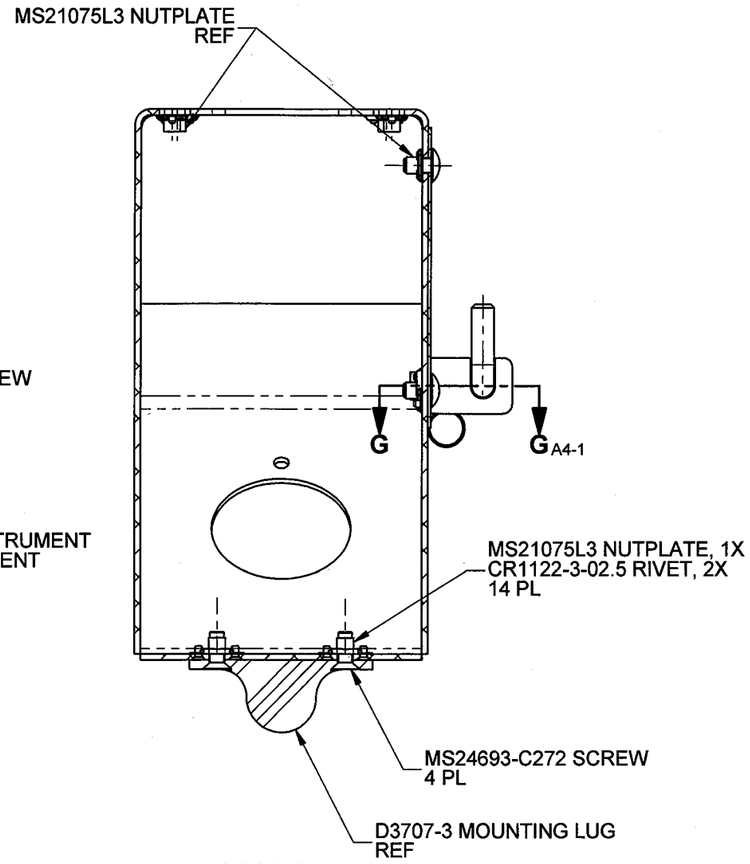
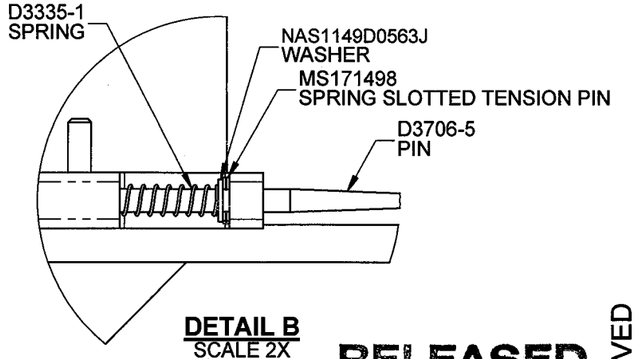




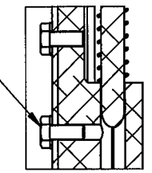
D3705-041 INSTRUMENT PANEL ASS'Y



SECTION A-A
SCALE 2X



DETAIL B
SCALE 2X



SECTION G-G

ITEM	QTY -041	P/N	DESCRIPTION
	X	**D3705-041**	**INSTRUMENT PANEL ASS'Y**
1	1	D3335-1	SPRING
2	1	D3705-043	INSTRUMENT PANEL WELDMENT
3	1	D3705-5	ACCESS PANEL
4	1	D3706-041	LOCK BRACKET ASSEMBLY
5	1	D3706-5	PIN
6	2	D3707-3	MOUNTING LUG
7	2	AN3-3A	BOLT
8	4	AN526C1032R6	SCREW
9	1	NAS1149D0563J	WASHER (OR AN960JD516)
10	28	CR1122-3-02.5	RIVET
11	1	MS171498	SPRING SLOTTED TENSION PIN
12	14	MS21075L3	NUT PLATE, SELF-LOCKING, FLOATING
13	4	MS24693-C272	SCREW
14	2	NAS1149D0332J	WASHER (OR AN960JD10L)

REV.	DESCRIPTION	BY	DATE
F	ADDED D3705-13/-15, UPDATE TEMPLATE, ADDED MISSING DIM; REF ECR 373	SAD	22.03.16
E	REVISED D3705-1/-3 (NOW 0.75 TALLER - AFFECTS -1F/-3F); D3706-1/-3 NOW D3706-041 AND BOLTED; ADD AN3-3A BOLT, NAS1149D0332J WASHER, D3706-041; 9.88 WAS 9.13 (ZN's D1-3, B3-3, C7-4); 6.000 WAS 7.150 (ZN C4-6); 3.20 lbs WAS 3.00 lbs. REASON: CIR12-4/PAR12-188.	MB	12.11.30
D	ITEM 14 WAS AN960JD416 (ZN D3-1 AND C1-1). REASON: NCR#10-017.	MB	10.04.15
C	ADDED D3705-7/-9/-11 (SHEET 6); REMOVED MS35589-156 GROMMET; 9.31 AND 12.66 WERE 9.36 AND 12.61 (ZN B6-3); Ø1.90 WAS 1.50 (ZN D5-4); ADDED Ø0.204 HOLE (ZN D5-4); CR1122-3-02.5 WAS MS20426AD3-3. REASON: COMPLETED DESIGN OF FACE PLATES REQUIRED TO MOUNT INSTRUMENTS.	MB	08.11.20
B	ADDED MS35489-156; QTY.14 MS21075L3 WAS QTY.8; QTY.28 MS20426AD3-3 WAS QTY. 16; MS171498 WAS TP-2; AN526C1032R6 WAS MS27039-1-09 & AN960JD10L (ZN D3-1); REDESIGNED D3705-1F FLAT PATTERN (ZN B6-3). REASON: GIVE MORE FLEXIBILITY TO CUSTOMER IN TERMS OF INSTRUMENT ARRANGEMENT	MB	08.08.07
A	NEW ISSUE	MB	08.05.26

D3705-041 NOTES:

1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N PER DART QSI 044 6.1 (PERMANENT INK MARKER)
7) WEIGHT: 3.20 lbs

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APPROVED	IT
DE APPR.	DS
DATE	22.03.16

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3705 REV. F
SHEET 1 OF 8

TITLE: INSTRUMENT PANEL ASS'Y
SCALE: NTS

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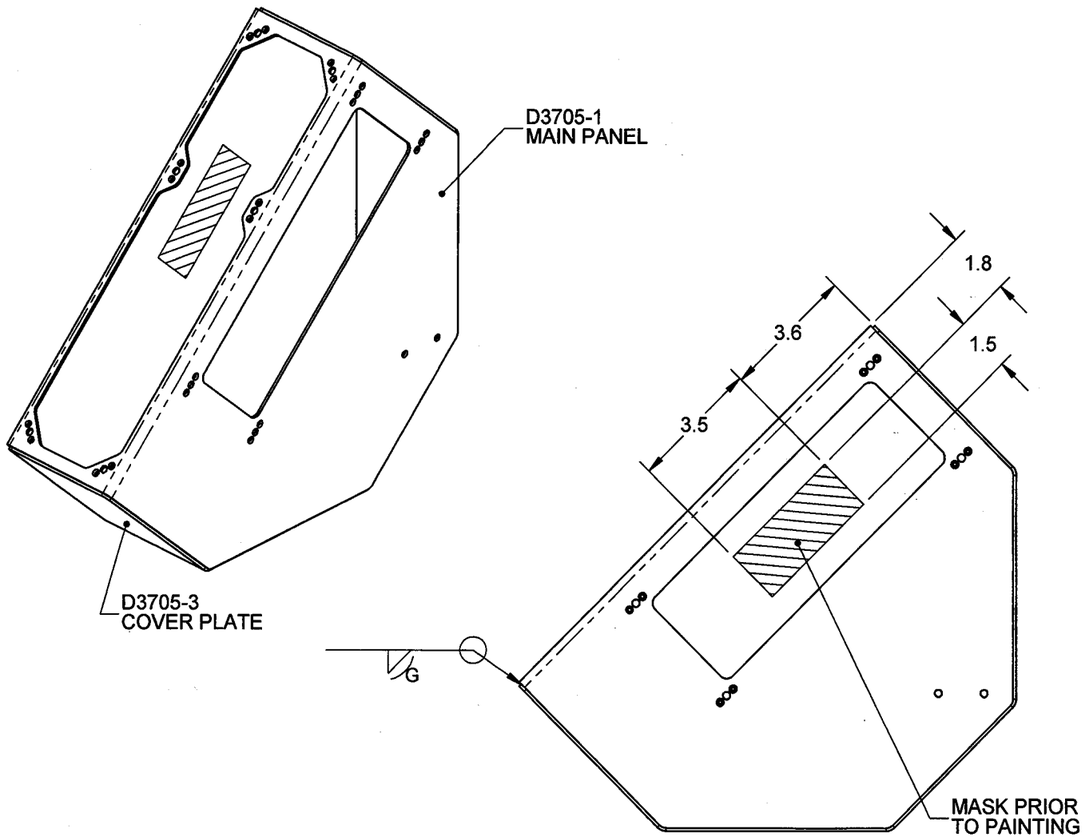
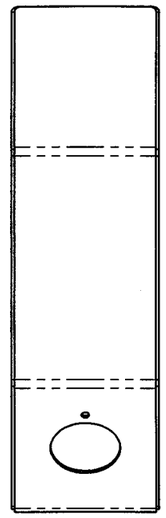
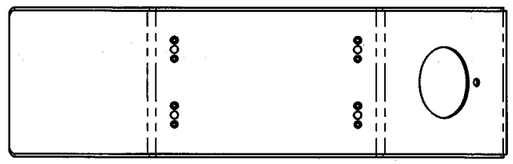
ITEM	QTY -043	P/N	DESCRIPTION
1	X	D3705-043	INSTRUMENT PANEL WELDMENT
3	1	D3705-1	MAIN PANEL
4	1	D3705-3	COVER PLATE







D3705-043 INSTRUMENT PANEL WELDMENT

D3705-043 NOTES:

1) MATERIAL: N/A
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
   POWDER COAT BLACK (4.3.5.7) PER DART QSI 005 4.3
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 2.47 lbs
8) WELDING: PER DART QSI 004

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DRAWN	SAD	
CHECKED	RF	DRAWING NO. D3705 REV. F
MFG. APPR.	DD	SHEET 2 OF 8
APPROVED	IT	TITLE INSTRUMENT PANEL ASS'Y SCALE NTS
DE APPR.	DS	
DATE	22.03.16	

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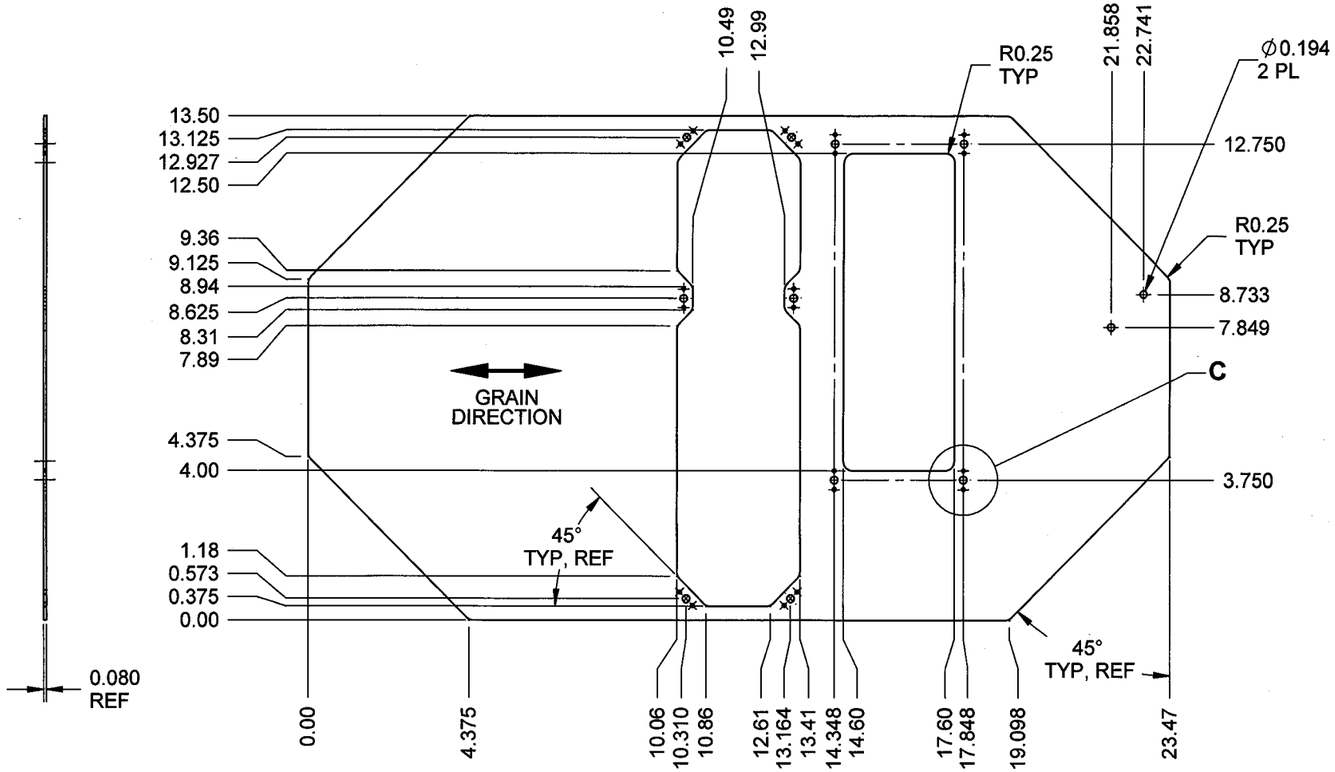
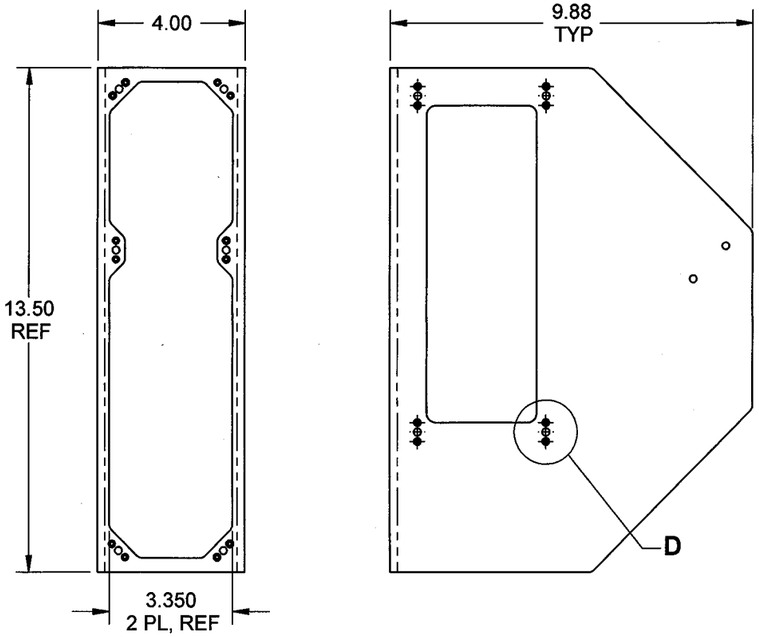
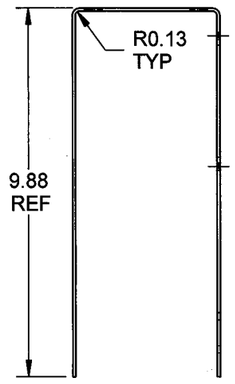
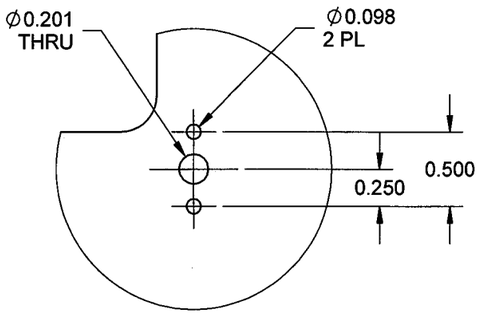




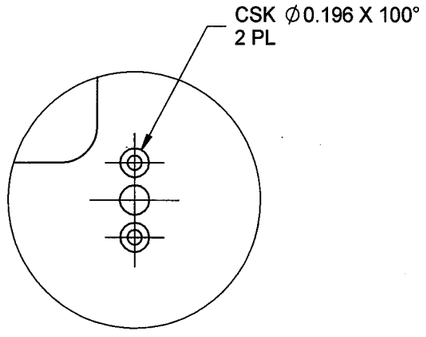


D3705-1 MAIN PANEL
MAKE FROM D3705-1F

D3705-1F MAIN PANEL



DETAIL C
SCALE 4X
10 PL



DETAIL D
SCALE 4X
10 PL

D3705-1/-1F NOTES:
1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.080 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.080)
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT:1.65 lbs

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DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3705 REV. F
SHEET 3 OF 8

TITLE: INSTRUMENT PANEL ASS'Y
SCALE: NTS

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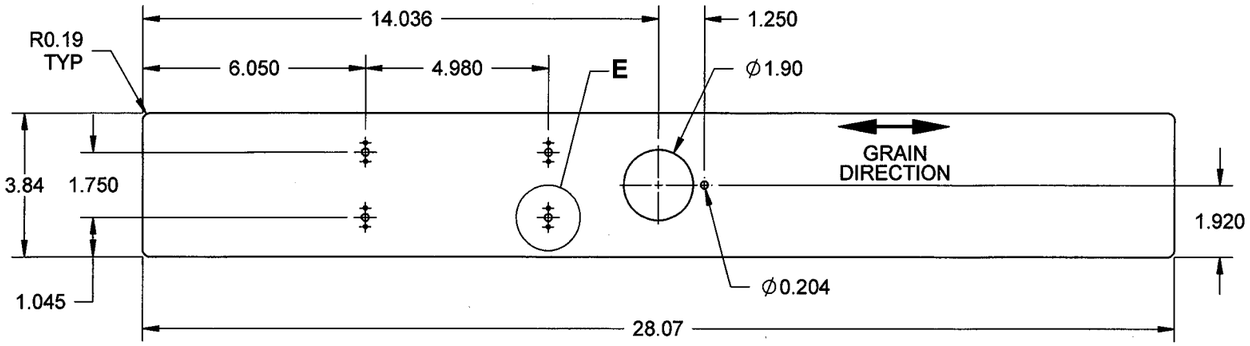
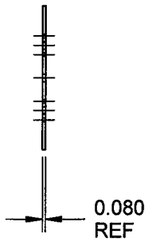
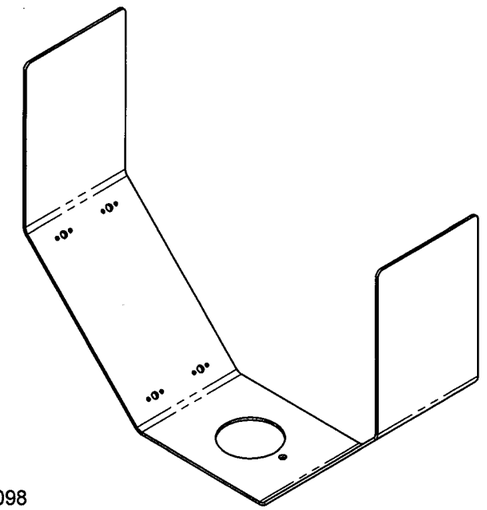
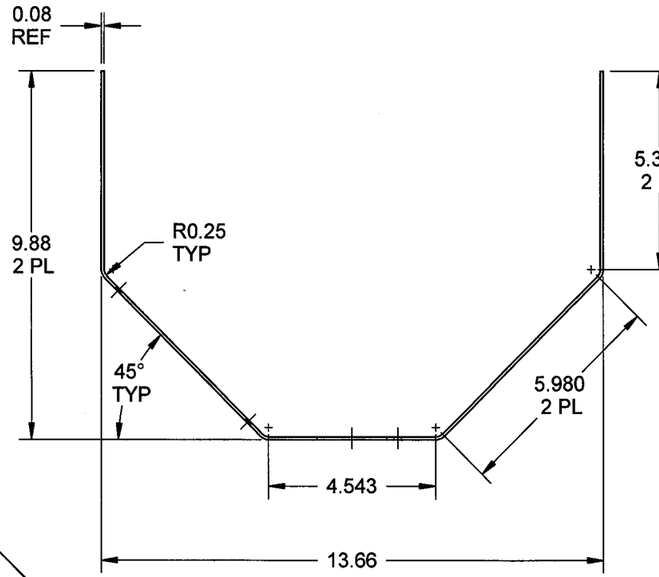
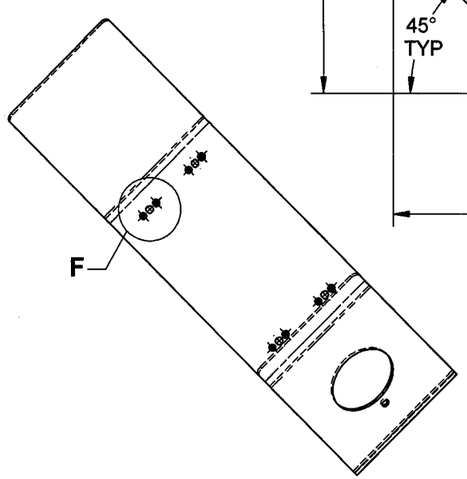




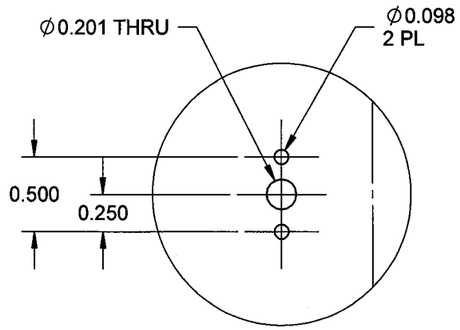


D3705-3F COVER PLATE FLAT PATTERN

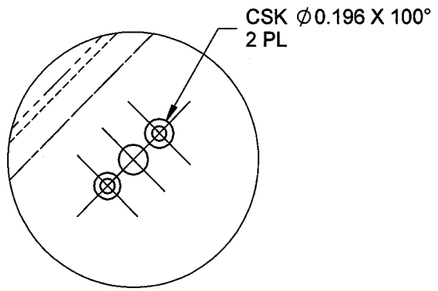




D3705-3 COVER PLATE
(MAKE FROM D3705-3F)



DETAIL E
SCALE 4X
4 PL



DETAIL F
SCALE 4X
4 PL

D3705-3/-3F NOTES:
1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.080 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.080)
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT:0.82 lbs

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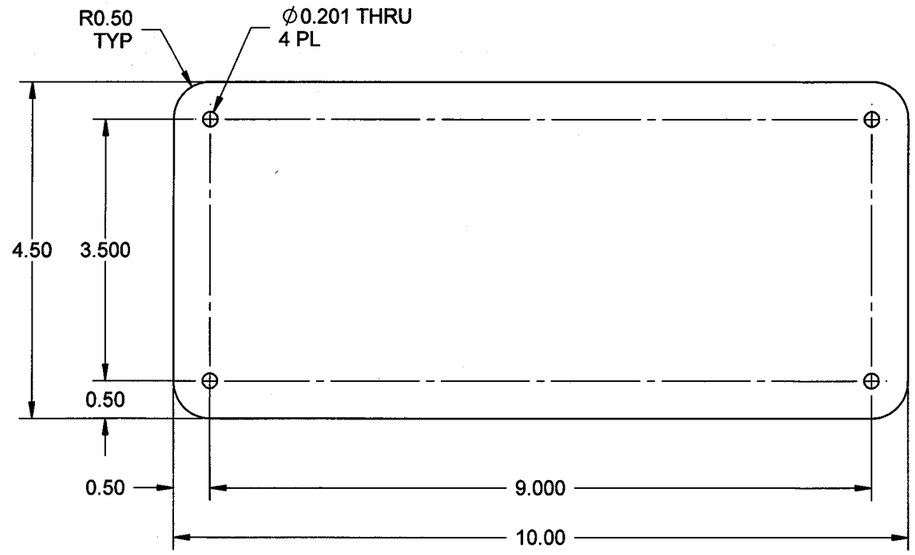

D3705-5 ACCESS PANEL

D3705-5 NOTES:

1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.040 THICK
   PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
   (REF. DART SPEC. M6061T6S.040)
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
   POWDER COAT BLACK (4.3.5.7) PER DART QSI 005 4.3
4) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
7) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N PER DART QSI 044 6.1 (PERMANENT INK MARKER)
8) WEIGHT: 0.17 lbs

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DATE	22.03.16	

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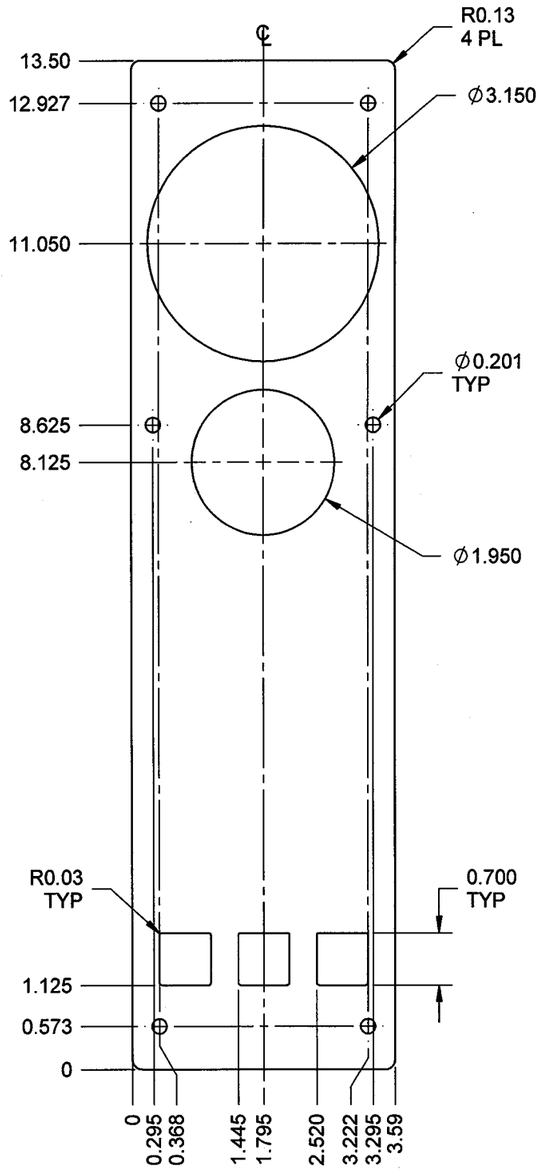
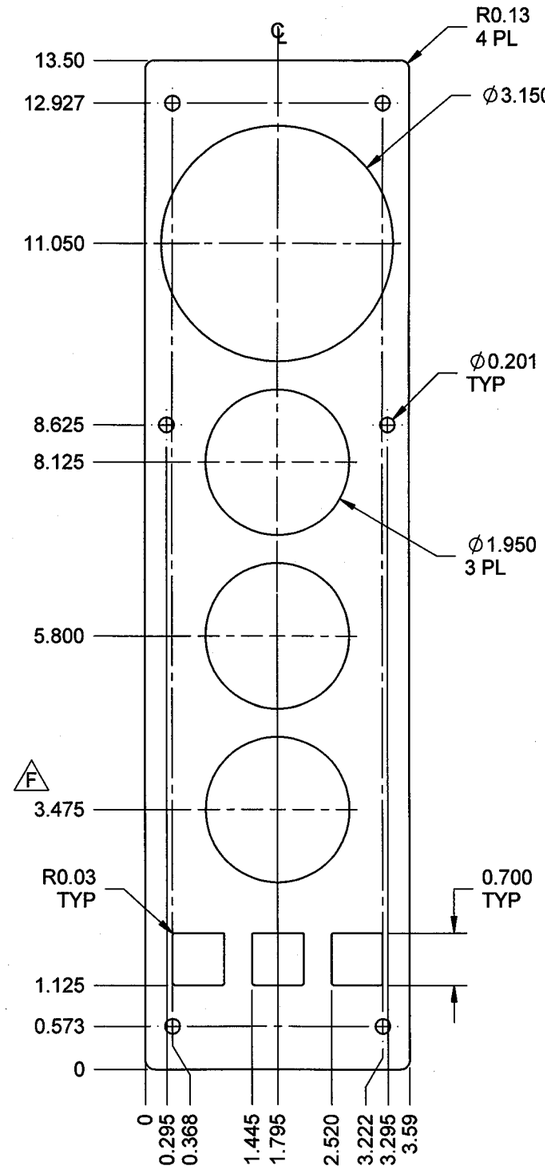
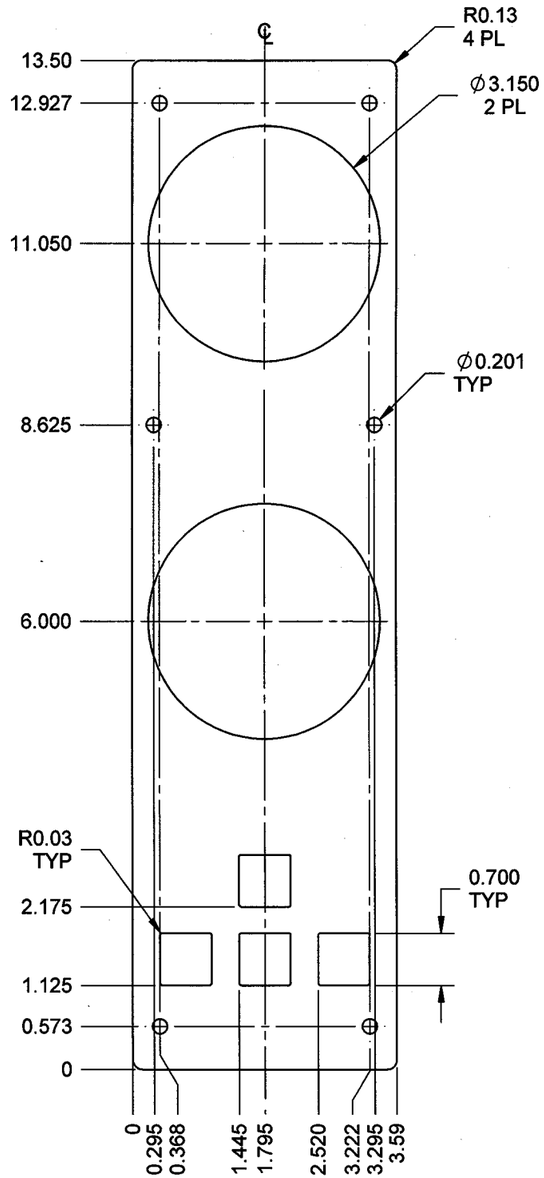


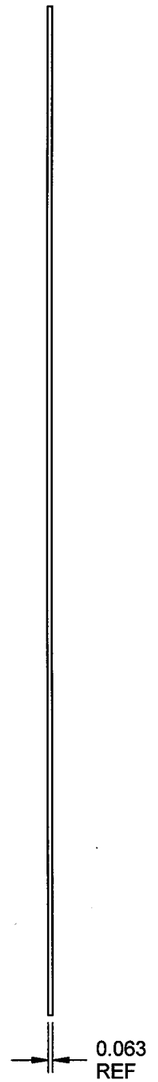
D3705-7 FACE PLATE



D3705-9 FACE PLATE



D3705-11 FACE PLATE



SIDE VIEW
TYP

D3705-7/-9/-11 NOTES:

1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.063 THICK
   PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
   (REF. DART SPEC. M6061T6S.063)
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
   POWDER COAT BLACK (4.3.5.7) PER DART QSI 005 4.3
4) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
7) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N PER DART QSI 044 6.1 (PERMANENT INK MARKER)
8) WEIGHT:D3705-7 = 0.22 lbs; D3705-9 = 0.18 lbs; D3705-11 = 0.19 lbs

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DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3705 REV. F
SHEET 6 OF 8

TITLE: INSTRUMENT PANEL ASS'Y
SCALE: NTS

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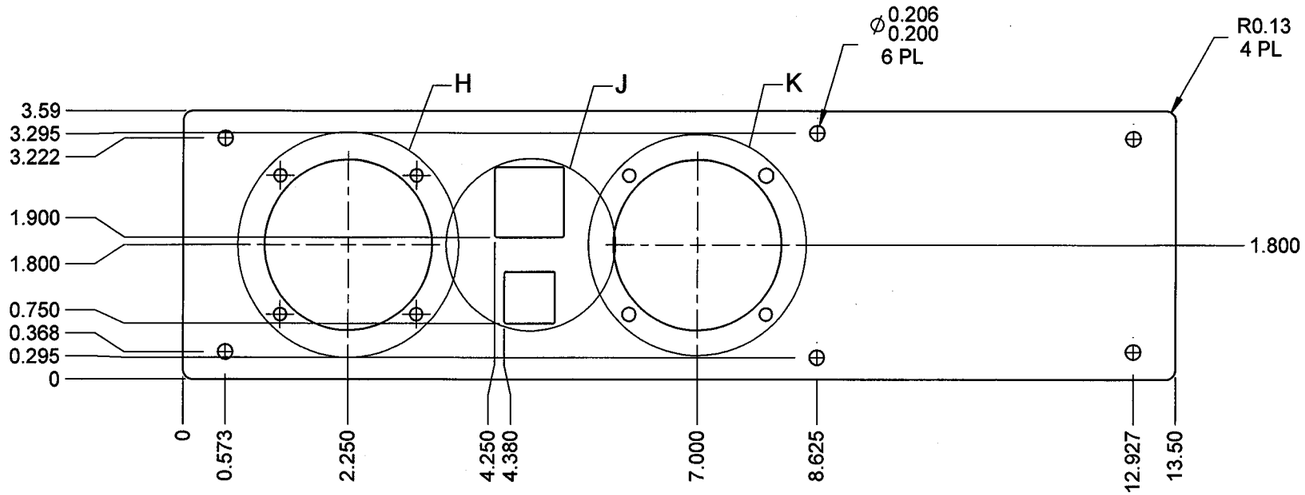
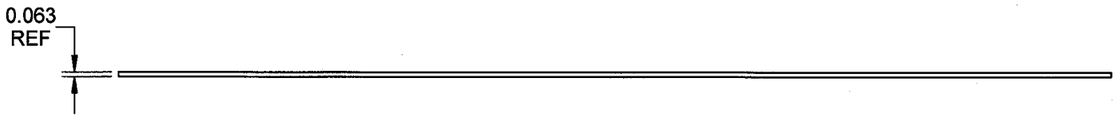
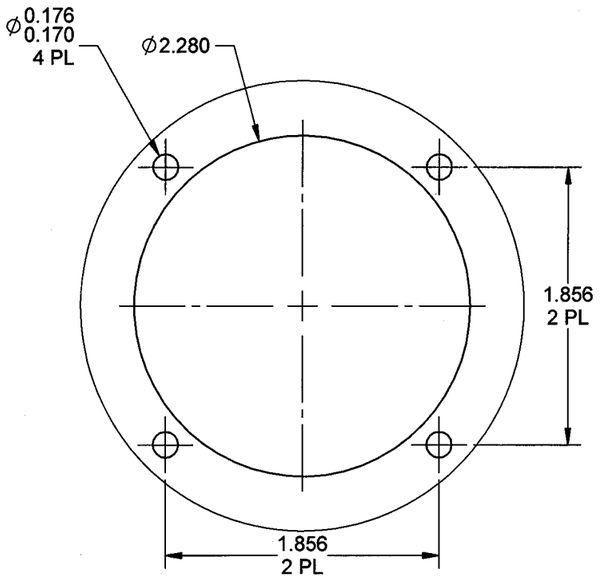
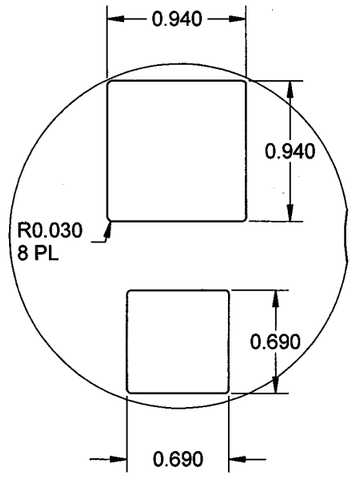




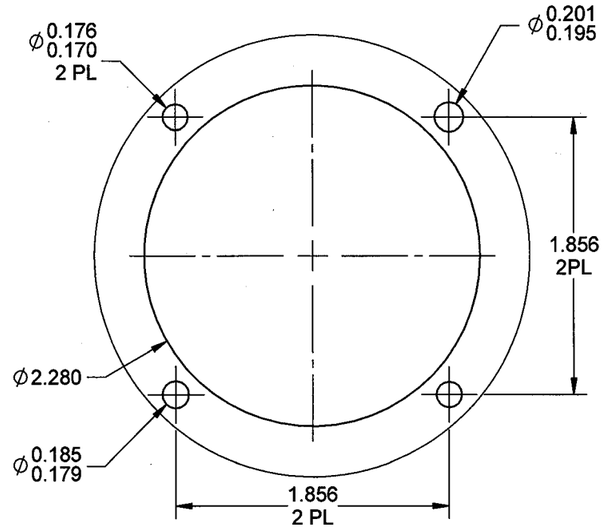


DETAIL H
SCALE 1 : 1

D3705-13 FACE PLATE (F)



DETAIL J
SCALE 1 : 1



DETAIL K
SCALE 1 : 1

D3705-13 NOTES:

1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.063 THICK
   PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
   (REF. DART SPEC. M6061T6S.063)
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
   POWDER COAT BLACK (4.3.5.7) PER DART QSI 005 4.3
4) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
7) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N PER DART QSI 044 6.1 (PERMANENT INK MARKER)
8) WEIGHT: D3705-13 = 0.24 lbs

RELEASED
2022 JUL 04

APPROVED

DESIGN	MB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	SAD	
CHECKED	RF	DRAWING NO. D3705 — REV. F
MFG. APPR.	DD	SHEET 7 OF 8
APPROVED	IT	TITLE: INSTRUMENT PANEL ASS'Y — SCALE: NTS
DE APPR.	DS	
DATE	22.03.16	

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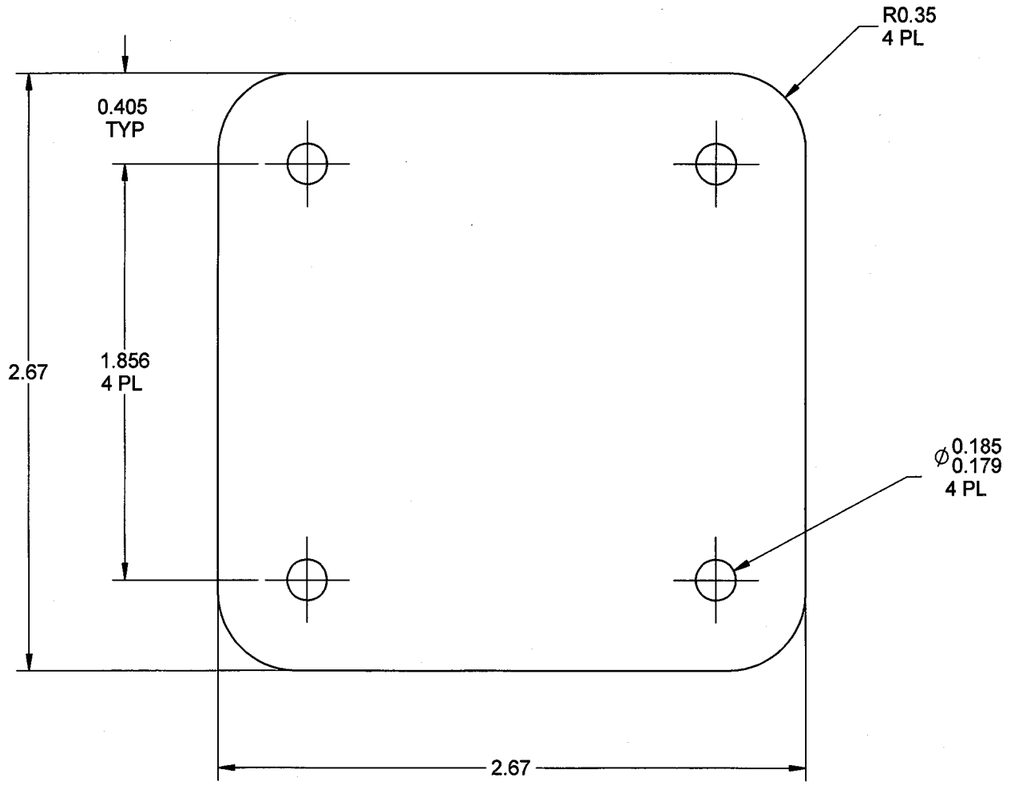

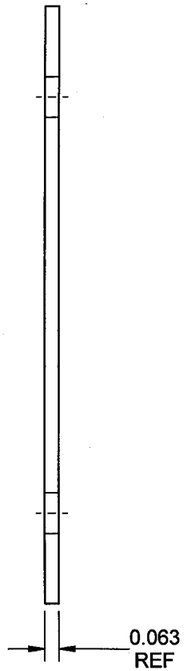

D3705-15 COVER PLATE (F)

D3705-15 NOTES:

1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.063 THICK
   PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
   (REF. DART SPEC. M6061T6S.063)
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
   POWDER COAT BLACK (4.3.5.7) PER DART QSI 005 4.3
4) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
7) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N PER DART QSI 044 6.1 (PERMANENT INK MARKER)
8) WEIGHT: D3705-15 = 0.02 lbs

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2022 JUL 04

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DESIGN	MB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	SAD	
CHECKED	RF	DRAWING NO. D3705 REV. F
MFG. APPR.	DD	SHEET 8 OF 8
APPROVED	IT	TITLE INSTRUMENT PANEL ASS'Y SCALE NTS
DE APPR.	DS	
DATE	22.03.16	

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